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NOTICE OF ALLOWANCE AND FEE(S) DUE

27296

7590

11/18/2009

LAWRENCE M. CHO P.O. BOX 2144 CHAMPAIGN, IL 61825 EXAMINER

AHN, SAM K

ART UNIT PAPER NUMBER

2611

DATE MAILED: 11/18/2009

| | APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-----------------|-------------|----------------------|---------------------|------------------|
| Ī | 09/891,710 | 06/26/2001 | Asher Hazanchuk | ALT.P001 | 1818 |

TITLE OF INVENTION: PARALLEL SAMPLES, PARALLEL COEFFICIENTS, TIME DIVISION MULTIPLEXING CORRELATOR ARCHITECTURE

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$0 | \$0 | \$1510 | 02/18/2010 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

| appropriate. All further indicated unless correct maintenance fee notifica | ed below or directed oth | ng the Patent, advance on nerwise in Block 1, by (a | rders and notification of n a) specifying a new corres | naintenance fees will pondence address; an | be mailed to the current d/or (b) indicating a sepa | correspondence address as arate "FEE ADDRESS" for | |
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| | ENCE ADDRESS (Note: Use Bl | ock 1 for any change of address) | Fee(| s) Transmittal. This co | ertificate cannot be used f | or domestic mailings of the for any other accompanying ont or formal drawing, must | |
| LAWRENCE P.O. BOX 2144 CHAMPAIGN, | | V2009 | I hei State | Certificeby certify that this F | cate of Mailing or Trans ee(s) Transmittal is being sufficient postage for fir- | | |
| | | | | | | (Depositor's name) | |
| | | | _ | | | (Signature) | |
| | | | L | | | (Date) | |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTOR | A. | TORNEY DOCKET NO. | CONFIRMATION NO. | |
| 09/891,710 | 06/26/2001 | C DADALLEL COPPER | Asher Hazanchuk | | ALT.P001 | 1818 | |
| | | | CIENTS, TIME DIVISION | | | | |
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| nonprovisional | NO | \$1510 | \$0 | \$0 | \$1510 | 02/18/2010 | |
| EXAM | IINER | ART UNIT | CLASS-SUBCLASS | | | | |
| - | SAM K | 2611 | 375-343000 | | | | |
| Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON | | | or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent attornisted, no name will be THE PATENT (print or type) | of up to 3 registered patent attorneys alternatively, of a single firm (having as a member a price or agent) and the names of up to atent attorneys or agents. If no name is e will be printed. | | | |
| recordation as set fort (A) NAME OF ASSI | th in 37 CFR 3.11.Comp GNEE | oletion of this form is NO | T a substitute for filing an : (B) RESIDENCE: (CITY | assignment. and STATE OR COU | UNTRY) | ocument has been filed for | |
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| _ ~ . | tus (from status indicated as SMALL ENTITY state | * | ☐ b. Applicant is no long | ser claiming SMALL | ENTITY status See 37 C | ER 1.27(a)(2) | |
| NOTE: The Issue Fee an | d Publication Fee (if req | | d from anyone other than the | | | ne assignee or other party in | |
| Authorized Signature | | | | Date | | | |
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| an application. Confiden submitting the complete this form and/or suggest | tiality is governed by 35 d application form to the ions for reducing this bu. Virginia 22313-1450. DC | U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th | 1.14. This collection is est depending upon the indivention Office | mated to take 12 min dual case. Any comn r. U.S. Patent and Tra | utes to complete, includir nents on the amount of ti demark Office. U.S. Den | d by the USPTO to process) in gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450, | |

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| LAWRENCE M. CHO | | | AHN, S | SAM K |
| P.O. BOX 2144 | | | ART UNIT | PAPER NUMBER |
| CHAMPAIGN, IL | 61825 | | 2611 | |
| | | | DATE MAILED: 11/18/200 | 9 |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 975 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 975 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

| | Application No. | Applicant(s) | | |
|---|---|--|----|--|
| | 09/891,710 | HAZANCHUK, ASHER | | |
| Notice of Allowability | Examiner | Art Unit | | |
| | SAM K. AHN | 2611 | | |
| The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to 10/16/09. | (OR REMAINS) CLOSED or other appropriate comm GHTS . This application is | in this application. If not included nunication will be mailed in due course. TH | | |
| 2. ☑ The allowed claim(s) is/are <u>1-9,11-15,17-23,25-27,29-35 allowed</u> | nd 37-50, renumbered in tl | nis office action. | | |
| Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Certified copies not received: | been received. been received in Applicat | on No | ne | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm | IENT of this application. | | | |
| INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. | | | | |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material | 6. ☐ Interview S Paper No 7. ☑ Examiner' | nformal Patent Application Summary (PTO-413), ./Mail Date s Amendment/Comment s Statement of Reasons for Allowance | | |

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

1. The application has been amended as follows:

In claim 1, line 3, "to load" has been changed to "loaded".

In claim 17, line 1, "16, wherein" has been changed to "14, wherein".

In claim 29, line 1, "28, wherein" has been changed to "26, wherein".

In claim 37, line 1, "36, wherein" has been changed to "33, wherein".

Claims 1-9,11-15,17-23,25-27,29-35 and 37-50 have been renumbered as claims

1-5,7-13,16-25,27-45,6,14,15 and 26, respectively.

2. The following is an examiner's statement of reasons for allowance: prior art does not teach or suggest in combination of a method and an apparatus of a correlator unit, comprising: a plurality of code sequence registers, a plurality of sample registers, a processing unit, an accumulation unit and a correlation output processor where each of the code sequence groups is processed to generate intermediate correlation values during a different clock cycle; a correlation output processor that determines a synchronization point that identifies an amount of delay incurred from transmission of the sample sequences from the correlation output.

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Art Unit: 2611

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sam Ahn whose telephone number is (571) 272-3044.

The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad Ghayour can be reached on (571) 272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-

273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

/Sam K. Ahn/ Primary Examiner, Art Unit 2611

11/18/2009